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NOTICE OF ALLOWANCE AND FEE(S) DUE

26164

7590

11/04/2008

FISH & RICHARDSON P.C. P.O BOX 1022 MINNEAPOLIS, MN 55440-1022 EXAMINER

ANDERSON, REBECCA L

ART UNIT PAPER NUMBER

1626 DATE MAILED: 11/04/2008

US

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542 044	07/13/2005	Andrew David Morley	06275-460US1 100928-1P	8677

TITLE OF INVENTION: THIOPHENE CARBOXAMIDES AS INHIBITORS OF THE ENZYME IKK-2

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/04/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new c	of n	naintenance fees v pondence address	vill be ; and/oi	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
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FISH & RICH P.O BOX 1022 MINNEAPOLIS	/2008		Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.					
								(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/542,044 TITLE OF INVENTION	07/13/2005 I: THIOPHENE CARBO	XAMIDES AS INHIBIT	Andrew David Mor ORS OF THE ENZY!	•	KK-2	06275-	460US1 100928-1P US	8677
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	02/04/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	S				
ANDERSON, REBECCA L 1626			514-445000		-			
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA	"Indication form led. Use of a Customer A TO BE PRINTED ON To ified below, no assignee	data will appear on t	rnativesingle or a strong libe or type the partype	vely, e firm (having as a gent) and the nam rneys or agents. If printed. be) atent. If an assign	n memb les of u no nam	er a 2 p to le is 3	cument has been filed for
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5. Change in Entity Sta	tus (from status indicated as SMALL ENTITY statu		☐ b Applicant is no	o long	per claiming SMA	LL EN	ΓΙΤΥ status. See 37 CF	R 1 27(g)(2)
NOTE: The Issue Fee an	d Publication Fee (if requ		d from anyone other th					e assignee or other party in
interest as shown by the	records of the Officed Sta	tes ratent and Trademark	Comee.					
Authorized Signature			Date					
Typed or printed name			Registration No					
an application. Confiden	tiality is governed by 35 dapplication form to the ions for reducing this but irginia 22313-1450. DO	U.S.C. 122 and 37 CFR USPTO. Time will vary	1.14. This collection in depending upon the i	is est: indiv	imated to take 12 i idual case. Any co	minutes	to complete, including s on the amount of tin	by the USPTO to process) g gathering, preparing, and se you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/542,044 07/13/2005		Andrew David Morley	06275-460US1 100928-1P	8677	
26164 75	590 11/04/2008		EXAM	INER	
FISH & RICHAI	RDSON P.C.	ANDERSON, REBECCA L			
P.O BOX 1022		ART UNIT	PAPER NUMBER		
MINNEAPOLIS, I	MN 55440-1022	1626			
			DATE MAILED: 11/04/200	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 88 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 88 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)						
		MODIEVETAL						
Notice of Allowability	10/542,044 Examiner	MORLEY ET AL. Art Unit						
	REBECCA L. ANDERSON	1626						
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communicati GHTS. This application is subject	application. If not included on will be mailed in due course. THIS						
1. X This communication is responsive to the RCE filed 7 Octob	<u>per 2008</u> .							
2. The allowed claim(s) is/are <u>1-3,5-10 and 13-15</u> .								
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	been received.							
3. Copies of the certified copies of the priority do	• • •							
International Bureau (PCT Rule 17.2(a)).	cuments have been received in th	is national stage application from the						
* Certified copies not received:								
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.								
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give								
5. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.							
(a) \square including changes required by the Notice of Draftspers	(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached							
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	•							
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date								
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t								
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT								
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informa	l Patent Application						
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summa							
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail [7.	Date ndment/Comment						
Paper No./Mail Date 10/7/2008 4. ☐ Examiner's Comment Regarding Requirement for Deposit	ment of Reasons for Allowance							
of Biological Material	9.							
/Rebecca L Anderson/								
Primary Examiner, Art Unit 1626								

DETAILED ACTION

Claims 1-3, 5-10 and 13-15 are currently pending in the instant application, appear allowable over the prior art of record and have been renumbered as claims 1-12.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 7 October 2008 has been entered.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 7 October 2008 was submitted in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance. This invention relates to products of the formula (I), processes of preparation and methods of treating inflammatory disorders selected from asthma, rheumatoid arthritis, multiple sclerosis and chronic obstructive pulmonary disease. The novel and nonobvious aspect of this invention involves the products of the formula (I). The closest prior art of record fails to teach or suggest Applicants' instantly claimed formula (I). Additionally, as can be seen

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by WO 200246171, NF- κB has a central role in inflammatory disease(page 1) and cell and animal experiments indicate that IKK-2 is a central regulator of the pro-inflammatory role of NF-κB and is activated in response to multiple inflammatory stimula and signaling pathways, page 3.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Rebecca L. Anderson whose telephone number is (571) 272-0696. Mrs. Anderson can normally be reached Monday through Friday from 6:00am until 2:30pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Mr. Joseph K. McKane, can be reached at (571) 272-0699.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

27 October 2008

/Rebecca Anderson/ Primary Examiner, AU 1626

Rebecca Anderson Primary Examiner Art Unit 1626, Group 1620

Technology Center 1600